

**IN THE CLAIMS**

- 1.(currently amended) A crewmember rest support system comprising:
  - a berth mattress comprising a plurality of mattress segments;
  - a support structure having a plurality of joints coupled to and supporting said berth mattress, said berth mattress being articulated at the joints provided in the support structure; and
  - a pneumatic system coupled to said support structure comprising:
    - at least one inflatable member having at least one inflatable state, wherein said at least one inflatable member articulates said support structure into a plurality of orientations; and
    - at least one pump actuating said at least one inflatable member and articulating at least a portion of both of said support structure and said berth mattress, whereby said articulation takes place at the joints.
- 2.(original) A rest support system as in claim 1 wherein said berth mattress is selected from at least one of a pad, a cushion, a mat, a case filled with resilient material, and an inflatable mat.
3. (original) A rest support system as in claim 1 wherein said berth mattress is cocoon shaped.
4. (original) A rest support system as in claim 1 wherein said berth mattress is ergonomically shaped.
5. (original) A rest support system as in claim 1 wherein said berth mattress comprises a headrest.

6. (original) A rest support system as in claim 5 wherein said headrest is adjustable.

7. (original) A rest support system as in claim 5 wherein said headrest is pneumatically adjustable.

8. (canceled).

9. (original) A rest support system as in claim 1 wherein said support structure comprises a frame.

10. (original) A rest support system as in claim 1 wherein said support structure comprises a weaved material.

11. (original) A rest support system as in claim 1 wherein said at least one inflatable member comprises an air bag.

12. (original) A rest support system as in claim 11 wherein said air bag is pleated.

13. (cancelled)

14. (original) A rest support system as in claim 1 wherein said at least one inflatable member comprises: a first inflatable member expandable to adjust a first portion of said support structure; and a second inflatable member expandable to adjust a second portion of said support structure.

15. (original) A rest support system as in claim 14 wherein said first portion comprises a leg element.

16. (original) A rest support system as in claim 14 wherein said second portion comprises a back element.

17. (original) A rest support system as in claim 14 wherein said second inflatable member articulates a plurality of joints of said support structure.

18. (original) A rest support system as in claim 1 wherein said at least one pump articulates a plurality of joints in said support structure.

19. (cancelled)

20. (original) A rest support system as in claim 1 further comprising at least one armrest coupled to said berth mattress.

21. (original) A rest support system as in claim 20 wherein said at least one armrest is deployable with articulation of said support structure.

22. (original) A rest support system as in claim 20 wherein said at least one armrest is formed of a flexible position sustainable structure.

23. (original) A rest support system as in claim 1 further comprising a cup holder coupled to said support structure.

24. (original) A rest support system as in claim 1 wherein said support structure comprises: at least one fixed joint; and at least one slider joint.

25. (currently amended) A berth for an aircraft comprising:  
a berth enclosure;  
at least one berth mattress comprising a plurality of mattress segments;  
at least one support structure having a plurality of joints coupled to and supporting said at least one berth mattress within said berth enclosure, said berth mattress being articulated at the joints provided in said at least one support structure; and  
at least one pneumatic system coupled to said at least one support structure comprising:

at least one inflatable member having at least one inflatable state, wherein said at least one inflatable member articulates said support structure into a plurality of orientations; and

at least one pump actuating said at least one inflatable member and articulating at least a portion of both of said support structure and said berth mattress, whereby said articulation takes place at the joints.

26. (original) A berth as in claim 25 further comprising a retractable tray coupled to and deployable within said berth enclosure.

27. (original) A berth as in claim 25 further comprising a controller coupled to said at least one pump and controlling orientation of said at least one support structure.

28. (previously amended) A berth as in claim 25 further comprising a control panel coupled to and within said berth enclosure and controlling orientation of said at least one support structure.

29. (original) A berth as in claim 25 further comprising at least one stowage unit coupled to and within said berth enclosure.

30. (original) A berth as in claim 25 wherein said berth enclosure is divided into a first half and a second half.

31. (original) A berth as in claim 30 wherein said first half comprises: a first berth mattress; a first support structure coupled to and supporting said first berth mattress; and a first pneumatic system coupled to and articulating said first structure.

32. (original) A berth as in claim 31 wherein said second half comprises: a second berth mattress; a second support structure coupled to and supporting said first

berth mattress; and a second pneumatic system coupled to and articulating said first structure.

33. (currently amended) A crew rest compartment for an aircraft comprising:  
at least one berth enclosure comprising;  
at least one berth mattress comprising a plurality of mattress segments;  
at least one support structure having a plurality of joints coupled to and supporting said at least one berth mattress within said berth enclosure, said berth mattress being articulated at the joints provided in the at least one support structure; and  
at least one pneumatic system coupled to said at least one support structure comprising:  
at least one inflatable member having at least one inflatable state, wherein said at least one inflatable member articulates said support structure into a plurality of orientations; and  
at least one pump actuating said at least one inflatable member and articulating at least a portion of both of said support structure and said berth mattress, whereby the articulation takes place at the joints.

34. (previously amended) A rest crew compartment as in claim 33 further comprising at least one access unit for accessing said at least one berth enclosure.

35. (previously amended) A rest crew compartment as in claim 33 wherein said at least one berth enclosure comprises:

a first ergonomically shaped berth enclosure; and  
a second ergonomically shaped berth enclosure.

36. (currently amended) An aircraft comprising:

- at least one crew rest compartment comprising;
- at least one berth mattress comprising a plurality of mattress segments;
- at least one support structure having a plurality of joints coupled to and supporting said at least one berth mattress within said berth enclosure, said berth mattress being articulated at the joints provided in the at least one support structure; and
- at least one pneumatic system coupled to said at least one support structure comprising:
  - at least one inflatable member having at least one inflatable state, wherein said at least one inflatable member articulates said support structure into a plurality of orientations; and
  - at least one pump actuating said at least one inflatable member and articulating at least a portion of both of said support structure and said berth mattress, whereby the articulation takes place at the joints.

37. (original) An aircraft as in claim 36 further comprising a controller coupled to said at least one pump and controlling orientation of said at least one support structure.

38. (currently amended) A crewmember rest support system comprising: a berth mattress comprising a plurality of mattress segments; a support structure coupled to and supporting said berth mattress and having a plurality of joints, said berth mattress being articulated at the joints provided in the support structure; and a pneumatic system coupled to and articulating said support structure into a plurality of orientations so that the articulation takes place at the joints, said pneumatic system comprising: a first

inflatable member articulating a first portion of said support structure; and a second inflatable member articulating a second portion of said support structure.

39. (canceled)

40. (canceled)

41. (currently amended)      A method for providing in an aircraft, a crew rest area which comprises providing a crew rest support system that includes a berth mattress comprising a plurality of mattress segments, coupling and supporting said berth mattress with a support structure having a plurality of joints, said berth mattress being articulated at the joints provided in said support structure, coupling a pneumatic system to said support structure, wherein said pneumatic system includes at least one inflatable member, activating said inflatable member and articulating at least a portion of said support structure so that the articulation takes place at the joints.

42. (previously amended)      A method according to claim 41, wherein said mattress has multiple joints for allowing the mattress to be articulated and to be conformed with various orientations.